

P-W

Owens-Bruno #1 #2-21  
SW/4-SW/4 Sec 27-Twp 23S-R 27E  
Cochise, County No Permit

County Cochise

Area \_\_\_\_\_

Lease No. \_\_\_\_\_

Well

Name

W.D. Owens  
Owens Bruno #1

Location

CW2-SW SE Sec 27 Twp 23S Range 27E Footage 660' FSL + 2970' FWL

Elev \_\_\_\_\_

Gr \_\_\_\_\_

KB \_\_\_\_\_

Date \_\_\_\_\_

Spud \_\_\_\_\_

Completed \_\_\_\_\_

Abandon \_\_\_\_\_

Total \_\_\_\_\_

Depth 680'

Approx. \_\_\_\_\_

Cost \$ \_\_\_\_\_

Contractor: \_\_\_\_\_

Drilled by Rotary \_\_\_\_\_

Cable Tool \_\_\_\_\_

Casing Size \_\_\_\_\_

Depth \_\_\_\_\_

Cement \_\_\_\_\_

Production Horizon \_\_\_\_\_

Initial Production \_\_\_\_\_

D&A

REMARKS

1565 (Jim Knapp, Artesia) has this  
Well Located SW-SE 27-23S-27E

Elec. \_\_\_\_\_

Logs \_\_\_\_\_

Applic \_\_\_\_\_

to Plug \_\_\_\_\_

Plugging \_\_\_\_\_

Record \_\_\_\_\_

Completion \_\_\_\_\_

Report \_\_\_\_\_

Sample Log \_\_\_\_\_

Sample Descrip. \_\_\_\_\_

Sample Set \_\_\_\_\_

Cores \_\_\_\_\_

Water well - accepted by \_\_\_\_\_

Bond Co. \_\_\_\_\_

& No. \_\_\_\_\_

Bond Am't \$ \_\_\_\_\_

Cancelled \_\_\_\_\_

Date \_\_\_\_\_

Organization Report \_\_\_\_\_

Filing Receipt \_\_\_\_\_

Dated \_\_\_\_\_

Well Book \_\_\_\_\_

Plat Book \_\_\_\_\_

Loc. Plat \_\_\_\_\_

Dedication \_\_\_\_\_

API # 02-003-05040

PERMIT NUMBER

none

Date Issued \_\_\_\_\_

#2-21

OWENS - BRUNO #1 - COCHISE COUNTY

660 N 2970 E. SW cor. Sec. 27, 23 S., 27 E.

(This log is taken from driller's report which consists of 5 pages) TD 680'

W. D. Owens Oil Co.

12-1-47

8 A.M. to 4 P.M.

Remarks: Rigging up.

12-2-47

0' 4'  
4' 15'

Top soil  
Gravel & Caliche  
Rigging up and started spudding

Remarks:

12-3-47

15' 34'  
34' 35'

Caliche & gravel  
Gravel  
Hole caving

Remarks:

12-4-47

25' 38'  
38' 50'

Gravel  
Sandy, Gray, Clay

Remarks:

12-5-47

50' 60'  
60' 65'

Lime stone  
Conglomerite - hard

Remarks:

12-6-47

65' 88'  
88' 92'

Cemented gravel  
Gray, clay

Remarks:

12-8-47

92' 105'  
105' 109'  
109' 120'

Gray clay  
Gravel water  
Gravel & Clay  
Small amount of water @ 105

Remarks:

12-9-47

120' 130'

Clay  
Shut down, cold weather

Remarks:

12-15-47

Remarks:

Rimming hole to 10'

12-16-47

130'

Remarks:

Rimming Hole to 10'

12-17-47

130'

Remarks:

Rimming Hole to 10' ( $\frac{1}{2}$  day)

12-18-47

130'

Remarks:

Cleaning out

12-18-47

130'

Remarks:

Gravel & Clay

12-19-47

140'

Remarks:

Running 8" pipe

12-19-47

140'

Remarks:

Gravel & Clay

12-20-47

150'

160'

161'

Remarks:

Small Gravel  
Black Tar  
Lime Shell  
165'-185' sand, gravel, 185-190 lime shell caved in  
covered tools - up

12-21-47

192'

Remarks:

Got tools, loose cleaned, out.  
Waiting on pipe.

660 N 2970E SW cor Sec 27-23S-27E - T.D. 680' **DRILLER'S REPORT**

Well No. \_\_\_\_\_ Date \_\_\_\_\_ 19\_\_ OIL CO. \_\_\_\_\_

TOUR From \_\_\_\_\_ To \_\_\_\_\_

Depth at Beginning of Day \_\_\_\_\_ Feet

Drilled During Day \_\_\_\_\_ Feet

Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS: \_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_

Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_

REMARKS: \_\_\_\_\_

Driller: \_\_\_\_\_

Tool Dresser: \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

DRILLERS REPORT—WOLCOTT'S FORM 1206

**DRILLER'S REPORT**

Well No. BRUNO Date \_\_\_\_\_ 19\_\_ OIL CO. \_\_\_\_\_

TOUR From \_\_\_\_\_ To \_\_\_\_\_

Depth at Beginning of Day \_\_\_\_\_ Feet

Drilled During Day \_\_\_\_\_ Feet

Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS: \_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_

Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_

REMARKS: \_\_\_\_\_

Driller: \_\_\_\_\_

Tool Dresser: \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

DRILLERS REPORT—WOLCOTT'S FORM 1206

**DRILLER'S REPORT**

Well No. \_\_\_\_\_ Date \_\_\_\_\_ 19\_\_ OIL CO. \_\_\_\_\_

TOUR From \_\_\_\_\_ To \_\_\_\_\_

Depth at Beginning of Day \_\_\_\_\_ Feet

Drilled During Day \_\_\_\_\_ Feet

Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS: \_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_

Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_

REMARKS: \_\_\_\_\_

Driller: \_\_\_\_\_

Tool Dresser: \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

DRILLERS REPORT—WOLCOTT'S FORM 1206

*the permit*

# DRILLER'S REPORT

Well No. 1 Date 1-11-42 OIL CO. 1942

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 5 ft. to 30 ft. GRAVEL  
From 30 ft. to 50 ft. CLAY  
From 50 ft. to 60 ft. CLAY  
From 60 ft. to 62 ft. CLAY

REMARKS:

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. [Signature]

Tool Dresser [Signature] Derrick Man

Floor Man [Signature]

Fireman [Signature]

DRILLERS REPORT—WOLCOTT'S FORM 1206

# DRILLER'S REPORT

Well No. 1 Date 1-12-42 OIL CO. 1942

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 50 ft. to 60 ft. GRAVEL  
From 60 ft. to 65 ft. CLAY  
From 65 ft. to 66 ft. CLAY  
From 66 ft. to 67 ft. CLAY

REMARKS:

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. [Signature]

Tool Dresser [Signature] Derrick Man

Floor Man [Signature]

Fireman [Signature]

DRILLERS REPORT—WOLCOTT'S FORM 1206

# DRILLER'S REPORT

Well No. 1 Date 1-13-42 OIL CO. 1942

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 65 ft. to 85 ft. GRAVEL  
From 85 ft. to 92 ft. CLAY  
From 92 ft. to 93 ft. CLAY  
From 93 ft. to 94 ft. CLAY

REMARKS:

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. [Signature]

Tool Dresser [Signature] Derrick Man

Floor Man [Signature]

Fireman [Signature]

DRILLERS REPORT—WOLCOTT'S FORM 1206

No permit

### DRILLER'S REPORT

Well No. 1 Date 10/1/1942 OIL CO.

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 100 ft. to 110 ft.

From 110 ft. to 120 ft.

From 120 ft. to 130 ft.

From 130 ft. to 140 ft.

REMARKS: 100 ft. to 140 ft.

### WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller

Tool Dresser Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

### DRILLER'S REPORT

Well No. 1 Date 10/1/1942 OIL CO.

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 100 ft. to 110 ft.

From 110 ft. to 120 ft.

From 120 ft. to 130 ft.

From 130 ft. to 140 ft.

REMARKS: 100 ft. to 140 ft.

### WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller

Tool Dresser Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

### DRILLER'S REPORT

Well No. 1 Date 10/1/1942 OIL CO.

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 100 ft. to 110 ft.

From 110 ft. to 120 ft.

From 120 ft. to 130 ft.

From 130 ft. to 140 ft.

REMARKS: 100 ft. to 140 ft.

### WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller

Tool Dresser Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

no permit

# DRILLER'S REPORT

Well No. 1 Date 12-18-1943 OIL CO. WOLCOTT'S

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 132 ft. to 134 ft.

From 134 ft. to 136 ft.

From 136 ft. to 138 ft.

From 138 ft. to 140 ft.

REMARKS: 132' TO 140' HOLE

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. Brown

Tool Dresser H. J. Brown Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

# DRILLER'S REPORT

Well No. 1 Date 12-19-1943 OIL CO. WOLCOTT'S

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 132 ft. to 134 ft.

From 134 ft. to 136 ft.

From 136 ft. to 138 ft.

From 138 ft. to 140 ft.

REMARKS: 132' TO 140' HOLE

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. Brown

Tool Dresser H. J. Brown Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

# DRILLER'S REPORT

Well No. 1 Date 12-18-1943 OIL CO. WOLCOTT'S

TOUR From To

Depth at Beginning of Day Feet

Drilled During Day Feet

Depth at End of Day Feet

FORMATION CHANGED AS FOLLOWS:

From 132 ft. to 134 ft.

From 134 ft. to 136 ft.

From 136 ft. to 138 ft.

From 138 ft. to 140 ft.

REMARKS: 132' TO 140' HOLE

## WORK DONE DURING TOUR

Hours Drilled Trips

Pipe in Hole

Hours Lost Reason

Twist Off Fished Out Hours Drilling

Condition Leaving Rig

REMARKS:

Driller H. J. Brown

Tool Dresser H. J. Brown Derrick Man

Floor Man

Fireman

DRILLERS REPORT—WOLCOTT'S FORM 1206

no permit

FRUNO  
Byumoth 1- 660 from S. line  
DRILLER'S REPORT

Well No. \_\_\_\_\_ Date 1927 OIL CO. \_\_\_\_\_  
TOUR From \_\_\_\_\_ To \_\_\_\_\_  
Depth at Beginning of Day \_\_\_\_\_ Feet  
Drilled During Day \_\_\_\_\_ Feet  
Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS:  
\_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_  
Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_  
REMARKS: \_\_\_\_\_

Driller \_\_\_\_\_

Tool Dresser \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

2970 ft from west line sec 27 - T23S R.27E  
DRILLER'S REPORT

Well No. \_\_\_\_\_ Date 1927 OIL CO. \_\_\_\_\_  
TOUR From \_\_\_\_\_ To \_\_\_\_\_  
Depth at Beginning of Day \_\_\_\_\_ Feet  
Drilled During Day \_\_\_\_\_ Feet  
Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS:  
\_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_  
Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_  
REMARKS: \_\_\_\_\_

Driller \_\_\_\_\_

Tool Dresser \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

650 ft  
DRILLER'S REPORT

Well No. \_\_\_\_\_ Date 1927 OIL CO. \_\_\_\_\_  
TOUR From \_\_\_\_\_ To \_\_\_\_\_  
Depth at Beginning of Day \_\_\_\_\_ Feet  
Drilled During Day \_\_\_\_\_ Feet  
Depth at End of Day \_\_\_\_\_ Feet

FORMATION CHANGED AS FOLLOWS:  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

REMARKS:  
\_\_\_\_\_

WORK DONE DURING TOUR

Hours Drilled \_\_\_\_\_ Trips \_\_\_\_\_  
Pipe in Hole \_\_\_\_\_

Hours Lost \_\_\_\_\_ Reason \_\_\_\_\_

Twist Off \_\_\_\_\_ Fished Out \_\_\_\_\_ Hours Drilling \_\_\_\_\_

Condition Leaving Rig \_\_\_\_\_  
REMARKS: WAITING ON PIPES

Driller \_\_\_\_\_

Tool Dresser \_\_\_\_\_ Derrick Man \_\_\_\_\_

Floor Man \_\_\_\_\_

Fireman \_\_\_\_\_

No permit



OWENS - - BRUNO #1

(This log is taken from driller's report which consists of 5 pages.)

Page 1.

Note: (top of page) 660 N 2970E SW cor Sec 27 23S - 27 E - T.D. 680'

W. D. Owens Oil Co.

12-1-47

8 A. M. to 4 P. M.

Remarks: Rigging up.

12-2-47

0' - 4' Top Soil

4' - 15' Gravel & Caliche

Remarks: Rigging up and started spudding

5280  
2070  
2310

12-3

15' - 34' Caliche & Gravel

34' - 35' Gravel

Remarks: Hole caving.

Page 2.

12-4-47

25' - 38' Gravel

38' - 50' Sandy, Gray, Clay

12-5-47

50' - 60' Limestone

60' - 65' Conglomerate - hard

12-6

65' - 88' Cemented Gravel

88' - 92' Gray, Clay

Page 3.

12-8-47

92' - 105' Gray Clay

105' - 109' Gravel Water

109' - 120' Gravel & Clay

Remarks: Small amount of water at 105'

12-9-47

120' - 130' Clay

Remarks: Shut down - cold weather

12-15-47

Remarks: Rimming hole to 10'

permet

BRUNO #1  
Page 2

Page 4.

12-16-47

130'

Remarks: Rimming Hole to 10' (1/2 day)

12-17-47

130'

Remarks: Cleaning out.

12-18-

130' - 140' Gravel & Clay

Remarks: Running 8" pipe.

Page 5. (at top of page: Bruno 1 - 660 from S. Line 2970 ft from west line  
Sec 27 - T 23S R-27E 680')

12-19-47

140' - 150' Gravel & Clay

12-20-47

150' - 160' Small Gravel

160' - 161' Black Tar

161' - 165' Lime Shell

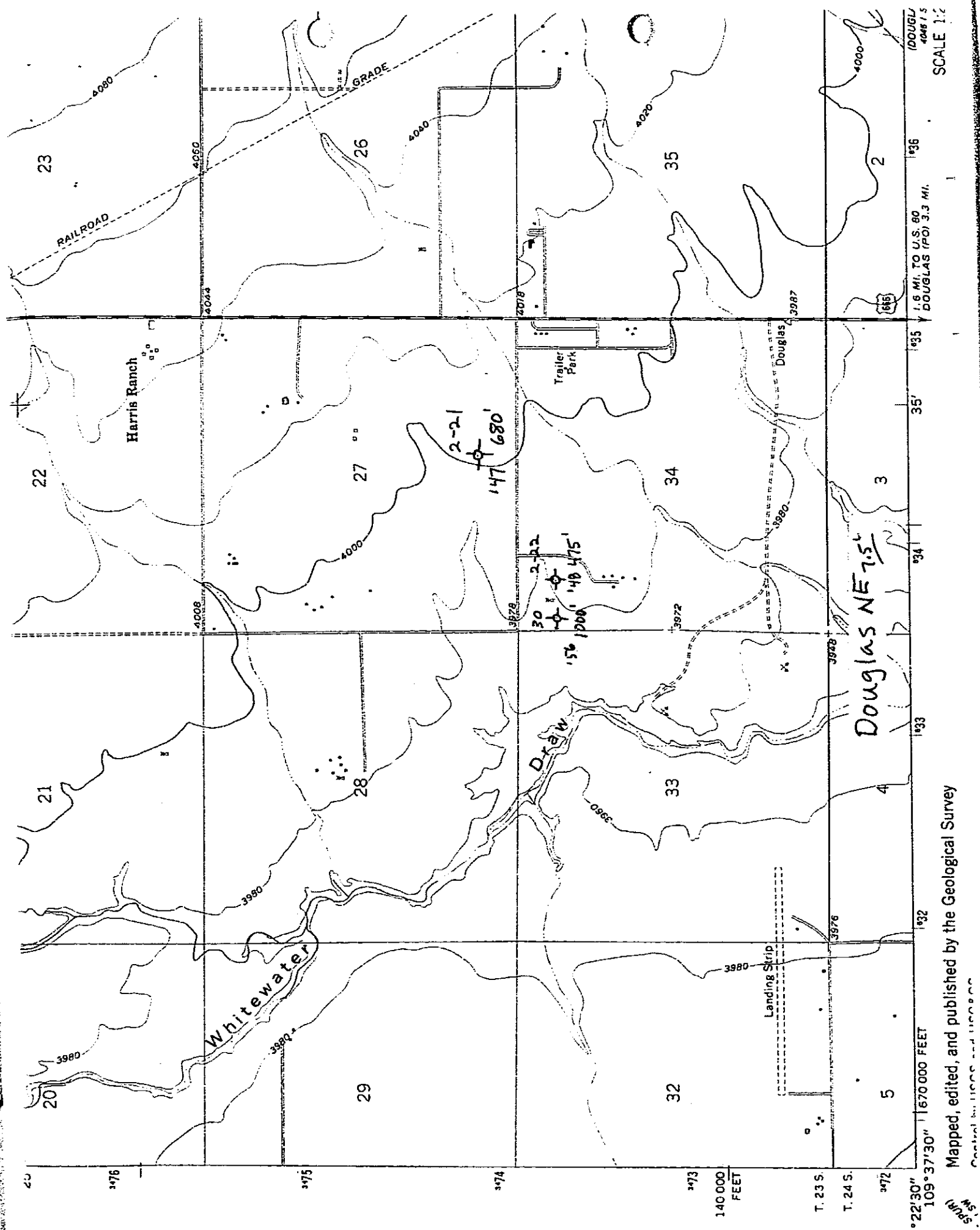
Remarks: 165-185 Sand, gravel, 185-190 Lime shell caved in covered tools - up

12-21-

192'

Remarks: Got tools, loose cleaned, out.  
Waiting on pipe.

*No permit*



Maped, edited, and published by the Geological Survey

Geological Survey of Canada



OFFICE OF  
**Oil and Gas Conservation Commission**  
STATE OF ARIZONA  
1645 WEST JEFFERSON, SUITE 420  
PHOENIX, ARIZONA 85007  
PHONE: (602) 271-5161

November 10, 1977

Mr. George Pupich  
3090 E. Cumberland Ct.  
Westlake, Calif. 91361

Dear Mr. Pupich:

Concerning your inquiry of November 6, 1977, there have been three wells drilled approximately three miles north of Pirtleville. Two of these wells were drilled by W. D. Owen and designated Bruno Nos. 1 and 2. The No. 1 well was drilled in the southwest of the southeast quarter of sec. 27, Township 23 South, Range 27 East and reached a total depth of 680 feet. The No. 2 well was drilled in the northwest of the northwest quarter of sec. 34, Township 23 South, Range 27 East.

Cochise Oil Company drilled the Goldman No. 1 well to a total depth of 1,000 feet. This well was also located in the northwest of the northwest quarter of sec. 34, Township 23 South, Range 27 East. Upon completion of this well it was turned over to Mr. J. E. Goldman of Douglas, Arizona, to be used as a water well.

The two Bruno wells were drilled in 1947 and 1948. The Goldman well was drilled in 1955-56. This is about all the information we have on these holes. We hope it will be of some benefit to you.

Yours very truly,

W. E. Allen  
Director  
Enforcement Section

WEA:os

T243-21C  
205

November 6, 1977

RECEIVED

NOV 10 1977

D & G CONS. COMM.

To Whom It May Concern,

A Mr. A.K. Ross, Director of the State Mineral and Energy Division, informed me that your commission might be able to answer some questions I have concerning real estate in Arizona.

My Uncle owns some open ground located very close to Pinalville, Arizona (north and east of Douglas, Arizona). Approximately 15 to 20 years ago there was some exploratory drilling done on the property. My Uncle does not know exactly when it was done or by whom, but it was definitely drilled. The tax bills identify the property as follows:

County	Roll #	Sec/TR	TWNS/BLK	Range/Lot	Acreage
Cochise	88254	00	001	003	Calumet Lots 1 2 3 BLK 1
"	88255	00	001	004	" " 4 5 + 6 " 1
"	88256	00	001	007	" " 7 8 + 9 " 1
"	83965	0033	023	027	NW NW Sec 33 23 27 40.00 ac

If there is any specific or general information on this drilling or the property area, whether it is documents, maps etc., I would like to have it. If you don't have this information, do you know of any public or private organization that might help?

Thanks in advance for your help in this matter.

Sincerely  
George Pufich

OWENS - BRUNO #1 - COCHISE COUNTY

660 N 2970 E. SW cor. Sec. 27, 23 S., 27 E.

(This log is taken from driller's report which consists of 5 pages) TD 680'

W. D. Owens Oil Co.

12-1-47

8 A.M. to 4 P.M.

Remarks: Rigging up.

12-2-47

0' 4'  
4' 15'

Remarks:

Top soil  
Gravel & Caliche  
Rigging up and started spudding

12-3-47

15' 34'  
34' 35'

Remarks:

Caliche & gravel  
Gravel  
Hole caving

12-4-47

25' 38'  
38' 50'

Remarks:

Gravel  
Sandy, Gray, Clay

12-5-47

50' 60'  
60' 65'

Remarks:

Lime stone  
Conglomerite - hard

12-6-47

65' 88'  
88' 92'

Remarks:

Cemented gravel  
Gray, clay

12-8-47

92' 105'  
105' 109'  
109' 120'

Remarks:

Gray clay  
Gravel water  
Gravel & Clay  
Small amount of water @ 105

12-9-47

120' 130'

Remarks:

Clay  
Shut down, cold weather

12-15-47

Remarks:

Rimming hole to 10'

12-16-47

130'

Remarks:

Rimming Hole to 10' ( $\frac{1}{2}$  day)

12-17-47

130'

Remarks:

Cleaning out

12-18-47

130' 140'

Remarks:

Gravel & Clay  
Running 8" pipe

12-19-47

140' 150'

Remarks:

Gravel & Clay

12-20-47

150' 160'  
160' 161'  
161' 165'

Remarks:

Small Gravel  
Black Tar  
Lime Shell  
165'-185' sand, gravel, 185'-190 lime shell caved in  
covered tools - up

12-21-47

192'

Remarks:

Got tools, loose cleaned, out.  
Waiting on pipe.